Refine Search

Search Results -

| Terms | Documents |
|--------------------------------|-----------|
| L10 and (natural adj language) | 48 |

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Search:

| L11 | | | Refine Search |
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Clear

Search History

DATE: Thursday, July 19, 2007 **Purge Queries** Printable Copy Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|--------------------------------|--|--------------|------------------------------|
| DB= | =PGPB,USPT; PLUR=YES; OP=OR | | |
| <u>L11</u> | L10 and (natural adj language) | 48 | <u>L11</u> |
| <u>L10</u> | L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adjagent) or (intelligent adjagent) or spider) | 302 | <u>L10</u> |
| <u>L9</u> | L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 40244 | <u>L9</u> |
| <u>L8</u> | (704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.) | 141706 | <u>L8</u> |
| <u>L7</u> | (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 3 | <u>L7</u> |
| <u>L6</u> | 09/869,205 | 0 | <u>L6</u> |
| <u>L5</u> | L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 0 | <u>L5</u> |
| <u>L4</u> | L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.) | 0 | <u>L4</u> |
| <u>L3</u> | (706.clas. or 707.clas. or 709.clas. or 717.clas.) | 122940 | <u>L3</u> |
| <u>L2</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj | 0 | <u>L2</u> |

statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement)

DB=PGPB; PLUR=YES; OP=OR

dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM.

0 <u>L1</u>

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
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| L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 3 |

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IBM Technical Disclosure Bulletins

Search:

L12

Database:



Refine Search





Interrupt

Search History

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| <u>Set</u> | | Hit | <u>Set</u> |
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| side by | | <u> </u> | result |
| side | | | set |
| DB= | =PGPB,USPT; PLUR=YES; OP=OR | | |
| <u>L12</u> | L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 3 | L12 |
| <u>L11</u> | L10 and (natural adj language) | 48 | <u>L11</u> |
| <u>L10</u> | L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adjagent) or (intelligent adjagent) or spider) | 302 | <u>L10</u> |
| <u>L9</u> | L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 40244 | <u>L9</u> |
| <u>L8</u> | (704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.) | 141706 | <u>L8</u> |

| <u>L7</u> | (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 3 | <u>L7</u> |
|-----------|--|--------|-----------|
| <u>L6</u> | 09/869,205 | 0 | <u>L6</u> |
| <u>L5</u> | L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 0 | <u>L5</u> |
| <u>L4</u> | L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.) | 0 | <u>L4</u> |
| <u>L3</u> | (706.clas. or 707.clas. or 709.clas. or 717.clas.) | 122940 | <u>L3</u> |
| <u>L2</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement) | 0. | <u>L2</u> |
| DB= | =PGPB; PLUR=YES; OP=OR | | |
| <u>L1</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM. | 0 | <u>L1</u> |

END OF SEARCH HISTORY

Refine Search

Search Results -

| Terms | Documents |
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| L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 4 |

| Database: | US Pre-Grant Publication Full-Text Database US Patents Full-Text Database US OCR Full-Text Database EPO Abstracts Database JPO Abstracts Database Derwent World Patents Index IBM Technical Disclosure Bulletins | |
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| Search: | L14 | Refine Search |
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| DB=PGPB, $USPT$; $PLUR=YES$; $OP=OR$ | | |
| L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adjagent) or (intelligent adjagent) or spider) and (natural adjlanguage) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 4 | <u>L14</u> |
| <u>L13</u> (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 3065066 | <u>L13</u> |

DATE: Thursday, July 19, 2007

| <u>L12</u> | L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 3 | <u>L12</u> |
|------------|--|--------|------------|
| <u>L11</u> | L10 and (natural adj language) | 48 | <u>L11</u> |
| <u>L10</u> | L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adjagent) or (intelligent adjagent) or spider) | 302 | <u>L10</u> |
| <u>L9</u> | L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 40244 | <u>L9</u> |
| <u>L8</u> | (704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.) | 141706 | <u>L8</u> |
| <u>L7</u> | (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 3 | <u>L7</u> |
| <u>L6</u> | 09/869,205 | 0 | <u>L6</u> |
| <u>L5</u> | L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 0 | <u>L5</u> |
| <u>L4</u> | L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.) | 0 | <u>L4</u> |
| <u>L3</u> | (706.clas. or 707.clas. or 709.clas. or 717.clas.) | 122940 | <u>L3</u> |
| <u>L2</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement) | 0 | <u>L2</u> |
| DB | =PGPB; PLUR=YES; OP=OR | , | |
| <u>L1</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM. | 0 | <u>L1</u> |

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20060155398 A1

L14: Entry 1 of 4

File: PGPB

Jul 13, 2006

PGPUB-DOCUMENT-NUMBER: 20060155398

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060155398 A1

TITLE: Adaptive pattern recognition based control system and method

PUBLICATION-DATE: July 13, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Hoffberg; Steven West Harrison NY US Hoffberg-Borghesani; Linda Acton MA US

US-CL-CURRENT: 700/86; 700/87

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWC | Draw, De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
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☐ 2. Document ID: US 20020010775 A1

L14: Entry 2 of 4

File: PGPB

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020010775

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010775 A1

TITLE: Method and apparatus for transmitting and displaying information between a

remote network and a local computer

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Rakavy, Yuval Jerusalem IL Barkat, Eli Jerusalem IL

US-CL-CURRENT: 709/224; 709/232

☐ 3. Document ID: US 7006881 B1

L14: Entry 3 of 4

File: USPT

Feb 28, 2006

US-PAT-NO: 7006881

DOCUMENT-IDENTIFIER: US 7006881 B1

TITLE: Media recording device with remote graphic user interface

DATE-ISSUED: February 28, 2006

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hoffberg; Steven West Harrison NY 10604 US Hoffberg-Borghesani; Linda Acton MA 01720 US

US-CL-CURRENT: $\frac{700}{83}$; $\frac{700}{17}$, $\frac{700}{18}$, $\frac{700}{65}$, $\frac{700}{66}$, $\frac{700}{86}$, $\frac{700}{87}$, $\frac{704}{200}$, $\frac{704}{201}$, $\frac{704}{7}$, $\frac{709}{200}$, $\frac{709}{201}$, $\frac{709}{202}$, $\frac{725}{116}$, $\frac{725}{19}$, $\frac{725}{20}$, $\frac{725}{37}$, $\frac{725}{41}$

Full Title Citation Front Review Classification Date Reference Profession Citation Front Review Classification Date Reference

4. Document ID: US 6539429 B2

L14: Entry 4 of 4

File: USPT

Mar 25, 2003

US-PAT-NO: 6539429

DOCUMENT-IDENTIFIER: US 6539429 B2

TITLE: Method and apparatus for transmitting and displaying information between a

remote network and a local computer

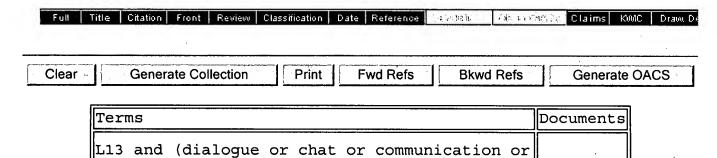
DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Rakavy; Yuval Jerusalem IL Barkat; Eli Jerusalem IL

US-CL-CURRENT: 709/224; 709/203, 709/225



conference or conversation or converse or

dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))

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Refine Search

Interrupt

Refine Search

Search Results -

| Terms | Documents |
|---|-----------|
| L15 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 4 |

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L16

Search:

Recall Text

Search History

Clear

DATE: Thursday, July 19, 2007 Purge Queries Printable Copy Create Case

Set Set Hit Name Query <u>Name</u> Count side by result side set DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR L15 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or <u>L16</u> 4 L16 consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) L15 (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") 20602941 L15

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|------------|---|---------|------------|
| DB= | =PGPB,USPT; PLUR=YES; OP=OR | | |
| <u>L14</u> | L13 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation)) | 4 | <u>L14</u> |
| L13 | (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 3065066 | L13 |
| <u>L12</u> | L11 and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or | · | <u>L12</u> |
| <u>L11</u> | L10 and (natural adj language) | 48 | <u>L11</u> |
| <u>L10</u> | L9 and (dialogue or chat or communication or conference or conversation or converse or dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) | 302 | <u>L10</u> |
| <u>L9</u> | L8 and (@ad<"19981223" or @rlad<"19981223" or @prad<"19981223") | 40244 | <u>L9</u> |
| <u>L8</u> | (704.clas. or 706.clas. or 707.clas. or 709.clas. or 717.clas.) | 141706 | <u>L8</u> |
| <u>L7</u> | (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | . 3 | <u>L7</u> |
| <u>L6</u> | 09/869,205 | 0 | <u>L6</u> |
| <u>L5</u> | L3 and (Sadek-David.in. or Bretier-Philippe.in. or Panaget-Franck.in.) | 0 | <u>L5</u> |
| <u>L4</u> | L3 and (Sadek-David.in. and Bretier-Philippe.in. and Panaget-Franck.in.) | 0 | <u>L4</u> |
| <u>L3</u> | (706.clas. or 707.clas. or 709.clas. or 717.clas.) | 122940 | <u>L3</u> |
| <u>L2</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement) | 0 | <u>L2</u> |
| DB | =PGPB; PLUR=YES; OP=OR | | |
| <u>L1</u> | dialogue and user and (software adj agent) and server and (rational adj unit) and (natural adj language) and interpreting and determining and (logical adj statement) and (behavioral adj principle) and (logical adj consequences) and (transcribed adj statement).CLM. | 0 | <u>L1</u> |
| | | | |

END OF SEARCH HISTORY

Hit List

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Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20060155398 A1

L16: Entry 1 of 4

File: PGPB

Jul 13, 2006

Jan 24, 2002

PGPUB-DOCUMENT-NUMBER: 20060155398

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060155398 A1

TITLE: Adaptive pattern recognition based control system and method

PUBLICATION-DATE: July 13, 2006

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Hoffberg; Steven West Harrison NY US Hoffberg-Borghesani; Linda Acton MA US

US-CL-CURRENT: 700/86; 700/87

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawt Dr |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| | | | | | • | | | | | | | |

2. Document ID: US 20020010775 A1

L16: Entry 2 of 4 File: PGPB

PGPUB-DOCUMENT-NUMBER: 20020010775

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020010775 A1

TITLE: Method and apparatus for transmitting and displaying information between a

remote network and a local computer

PUBLICATION-DATE: January 24, 2002

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY

Rakavy, Yuval Jerusalem IL Barkat, Eli Jerusalem IL

US-CL-CURRENT: 709/224; 709/232

3. Document ID: US 7006881 B1

L16: Entry 3 of 4

File: USPT

Feb 28, 2006

US-PAT-NO: 7006881

DOCUMENT-IDENTIFIER: US 7006881 B1

TITLE: Media recording device with remote graphic user interface

DATE-ISSUED: February 28, 2006

INVENTOR - INFORMATION:

CITY STATE NAME ZIP CODE COUNTRY Hoffberg; Steven West Harrison NY 10604 US Hoffberg-Borghesani; Linda

Acton

US-CL-CURRENT: <u>700/83; 700/17, 700/18, 700/65, 700/66, 700/86, 700/87, 704/200</u>, $\frac{704}{201}$, $\frac{704}{7}$, $\frac{709}{200}$, $\frac{709}{201}$, $\frac{709}{202}$, $\frac{725}{116}$, $\frac{725}{19}$, $\frac{725}{20}$, $\frac{725}{37}$, $\frac{725}{41}$

Full Title Citation Front Review Classification Date Reference <mark>管理管理等 人名 物面線 Claims KMC Draw, De</mark>

4. Document ID: US 6539429 B2

L16: Entry 4 of 4

File: USPT

MA

01720

Mar 25, 2003

US

US-PAT-NO: 6539429

DOCUMENT-IDENTIFIER: US 6539429 B2

TITLE: Method and apparatus for transmitting and displaying information between a

remote network and a local computer

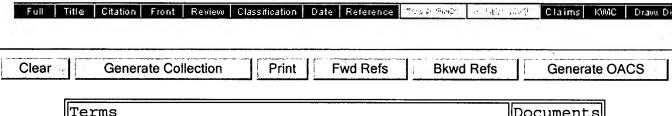
DATE-ISSUED: March 25, 2003

INVENTOR - INFORMATION:

CITY STATE ZIP CODE NAME COUNTRY .

Rakavy; Yuval Jerusalem IL Barkat; Eli Jerusalem IL

US-CL-CURRENT: <u>709/224</u>; <u>709/203</u>, <u>709/225</u>



Terms Documents L15 and (dialogue or chat or communication or conference or conversation or converse or

dialog or discourse or discussion or exchange) same ((software adj agent) or (intelligent adj agent) or spider) and (natural adj language) and ((logical or analytic or analytical or cogent or coherent or congruent or consistent or convincing or deducible or discerning or fair or germane or inferential or intelligent or judicious or pertinent or plausible or rational or relevant or sound or well-organized) adj (statement or declaration or communication or explanation or narrative or presentation))

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| | ((software <phrase> agent) <or> (intelligent <phrase> agent) <or></or></phrase></or></phrase> | spider)) | | » Select date raiC Search lateFrom year | st content u |
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| OPTION 2 Enter keywords, phrases, or a Boolean expression (dialogue <or> dialog) <and> use:</and></or> | | ② Help | » Standard Status (Applies to IEEE Standards Status All |
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| IET JNL | IET Journal or Magazine | — 4. An architecture for decimaling distributed analysis dislactus interferen |
| IEEE CNF | IEEE Conference Proceeding | 1. An architecture for designing distributed spoken dialogue interfaces Allen, C.; Stoecklin, S.; Bobbie, P.; Qian Chen; Ping Wu; |
| IET CNF | IET Conference Proceeding | Tools with Artificial Intelligence, 1999. Proceedings, 11th IEEE International Co. 9-11 Nov. 1999 Page(s):245 - 252 Digital Object Identifier 10.1109/TAI.1999.809793 |
| IEEE STD | IEEE Standard | AbstractPlus Full Text: PDF(76 KB) IEEE CNF Rights and Permissions |
| | | 2. A BDI agent architecture for dialogue modelling and coordination in a smassistant Wobcke, W.; Ho, V.; Nguyen, A.; Krzywicki, A.; Intelligent Agent Technology, IEEE/WIC/ACM International Conference on 19-22 Sept. 2005 Page(s):323 - 329 Digital Object Identifier 10.1109/IAT.2005.3 |
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| | | 3. A dialogue agent with adaptive and proactive capabilities Baudoin, F.; Bretier, P.; Corruble, V.; Intelligent Agent Technology, IEEE/WIC/ACM International Conference on 19-22 Sept. 2005 Page(s):293 - 296 Digital Object Identifier 10.1109/IAT.2005.8 |
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| | | 4. Extensibility and Reuse in an Agent-Based Dialogue Model Nguyen, A.; Wobeke, W.; Web Intelligence and International Agent Technology Workshops, 2006. WI-IA Workshops. 2006 IEEE/WIC/ACM International Conference on Dec. 2006 Page(s):367 - 371 Digital Object Identifier 10.1109/WI-IATW.2006.70 |
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| | -÷ | 5. Dialogue-based human-robot interaction for space construction teams Jones, H.; Rock, S.; Aerospace Conference Proceedings, 2002. IEEE Volume 7, 9-16 March 2002 Page(s):7-3645 - 7-3653 vol.7 |

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13. A personalized restaurant recommender agent for mobile e-service

Hung-Wen Tung; Von-Wun Soo;

e-Technology, e-Commerce and e-Service, 2004. EEE '04. 2004 IEEE Interna on

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Djenidi, H.; Tadj, C.; Ramdane-Cherif, A.; Levy, N.;

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Guzzoni, D.; Baur, C.; Cheyer, A.;

Web Intelligence and International Agent Technology Workshops, 2006. WI-IA

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Shimoda, T.A.; White, B.Y.; Frederiksen, J.R.;

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Frutos, S.; Gonzalez, A.L.; Martinez, L.; Montes, C.;

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Volume 14, Issue 5, Sept.-Oct. 1999 Page(s):14 - 23

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19. Defeasible Protocols in Persuasion Dialogues

Letia, I.A.; Vartic, R.;

Web Intelligence and International Agent Technology Workshops, 2006. WI-IA

Workshops, 2006 IEEE/WIC/ACM International Conference on Dec. 2006 Page(s):359 - 362 Digital Object Identifier 10.1109/WI-IATW.2006.56 AbstractPlus | Full Text: PDF(166 KB) IEEE CNF Rights and Permissions 20. esigning automated help using searcher system dialogues Jansen, B.J.; Systems, Man and Cybernetics, 2003. IEEE International Conference on Volume 1, 5-8 Oct. 2003 Page(s):744 - 749 vol.1 Digital Object Identifier 10.1109/ICSMC.2003.1243903 AbstractPlus | Full Text: PDF(470 KB) IEEE CNF Rights and Permissions 21. Maintaining credible dialogs in a VideoBot system with special audio tecl DeGroot, D.; Tools with Artificial Intelligence, Proceedings of the 13th International Conference 7-9 Nov. 2001 Page(s):351 - 358 Digital Object Identifier 10.1109/ICTAI.2001.974483 AbstractPlus | Full Text: PDF(66 KB) | IEEE CNF Rights and Permissions 22. Agent and user inhabited virtual communities: a case study Nijholt, A.; Knowledge-Based Intelligent Engineering Systems and Allied Technologies, 21 Fourth International Conference on Volume 1, 30 Aug.-1 Sept. 2000 Page(s):337 - 340 vol.1 Digital Object Identifier 10.1109/KES.2000.885825 AbstractPlus | Full Text: PDF(368 KB) IEEE CNF Rights and Permissions 23. Effective human-computer cooperative spoken dialogue: the AGS demor Sadek, M.D.; Ferrieux, A.; Cozannet, A.; Bretier, P.; Panaget, F.; Simonin, J.; Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Confer Volume 1, 3-6 Oct. 1996 Page(s):546 - 549 vol.1 Digital Object Identifier 10.1109/ICSLP.1996.607175 AbstractPlus | Full Text: PDF(416 KB) | IEEE CNF Rights and Permissions 24. Q: a scenario description language for interactive agents П Ishida, T.; Computer Volume 35, Issue 11, Nov. 2002 Page(s):42 - 47 Digital Object Identifier 10.1109/MC.2002.1046973 AbstractPlus | References | Full Text: PDF(753 KB) | IEEE JNL Rights and Permissions 25. Crafting the illusion of meaning: template-based specification of embodic conversational behavior Stone, M.; DeCarlo, D.; Computer Animation and Social Agents, 2003. 16th International Conference of 8-9 May 2003 Page(s):11 - 16 Digital Object Identifier 10.1109/CASA.2003.1199298 AbstractPlus | Full Text: PDF(321 KB) IEEE CNF Rights and Permissions

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ISIS: an adaptive, trilingual conversational system with interleaving interaction and

delegation dialogs

Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan September 2004 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 11 Issue 3

Publisher: ACM Press

Full text available: pdf(3.71 MB)

Additional Information: full citation, abstract, references, index terms

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language gueries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

Keywords: Human-computer spoken language interface, interaction and delegation dialogs

2 Computing curricula 2001

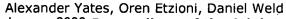
September 2001 Journal on Educational Resources in Computing (JERIC)

Publisher: ACM Press

Full text available: pdf(613.63 KB) 1 html(2.78 KB)

Additional Information: full citation, references, citings, index terms

³ Full Technical Papers: A reliable natural language interface to household appliances



January 2003 Proceedings of the 8th international conference on Intelligent user interfaces IUI '03

Publisher: ACM Press

Full text available: pdf(233.97 KB)

Additional Information: full citation, abstract, references, citings, index terms

As household appliances grow in complexity and sophistication, they become harder and harder to use, particularly because of their tiny display screens and limited keyboards. This paper describes a strategy for building natural language interfaces to appliances that circumvents these problems. Our approach leverages decades of research on planning and natural language interfaces to databases by reducing the appliance problem to the database problem; the reduction provably maintains desirable pro ...

Keywords: appliance, database, natural language interface, planner

Adding a collaborative agent to graphical user interfaces

Charles Rich, Candace L. Sidner

November 1996 Proceedings of the 9th annual ACM symposium on User interface software and technology UIST '96

Publisher: ACM Press

Full text available: pdf(1.58 MB) Additional Information: full citation, references, citings, index terms

Keywords: SharedPlan, agent, collaboration, direct manipulating, discourse, window sharing

5 Adaptation to users: A goal-oriented interface to consumer electronics using planning



and commonsense reasoning

Henry Lieberman, José Espinosa

January 2006 Proceedings of the 11th international conference on Intelligent user interfaces IUI '06

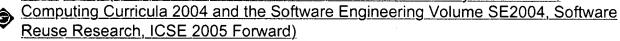
Publisher: ACM Press

Additional Information: full citation, abstract, references, cited by, index Full text available: pdf(427.81 KB)

We are reaching a crisis with design of user interfaces for consumer electronics. Flashing 12:00 time indicators, push-and-hold buttons, and interminable modes and menus are all symptoms of trying to maintain a one-to-one correspondence between functions and physical controls, which becomes hopeless as the number of capabilities of devices grows. We propose instead to orient interfaces around the goals that users have for the use of devices. We present Roadie, a user interface agent that provides ...

Keywords: commonsense reasoning, consumer electronics, goal-oriented interfaces, planning

6 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!,



July 2005 ACM SIGSOFT Software Engineering Notes, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation, index terms

7 Military applications: human systems modeling II: Exploring the constraints of human behavior representation

John C. Giordano, Paul F. Reynolds, David C. Brogan

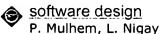
December 2004 Proceedings of the 36th conference on Winter simulation WSC '04

Publisher: Winter Simulation Conference

Full text available: pdf(322.39 KB) Additional Information: full citation, abstract, references

Human behavior representation (HBR) is an elusive, yet critical goal for many in the simulation community. Requirement specifications related to HBR often exceed current capabilities. There exist a number of tools, techniques and frameworks to model and simulate HBR, but they are constrained and do not generalize well. Even with a vibrant research community, certain HBR characteristics remain beyond our grasp, unless some unforeseen disruptive technologies emerge. We survey the state of the prac ...

8 Interactive information retrieval systems: from user centered interface design to



August 1996 Proceedings of the 19th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '96

Publisher: ACM Press

Full text available: pdf(1.48 MB) Additional Information: full citation, references, citings, index terms

9 Confirmation in multimodal systems

David R. McGee, Philip R. Cohen, Sharon Oviatt

August 1998 Proceedings of the 36th annual meeting on Association for Computational Linguistics - Volume 2, Proceedings of the 17th international conference on Computational linguistics - Volume 2

Publisher: Association for Computational Linguistics

Full text available: pdf(1.12 MB) Additional Information: full citation, abstract, references, citings

Systems that attempt to understand natural human input make mistakes, even humans. However, humans avoid misunderstandings by confirming doubtful input. *Multimodal systems*—those that combine simultaneous input from more than one modality, for example speech and gesture-have historically been designed so that they either request confirmation of speech, their primary modality, or not at all. Instead, we experimented with delaying confirmation until after the speech and gesture were combin ...

Keywords: confirmation, disambiguation, multimodal, uncertainty

10 Posters & demos: Using eye movements to determine referents in a spoken dialogue



Ellen Campana, Jason Baldridge, John Dowding, Beth Ann Hockey, Roger W. Remington, Leland S. Stone

November 2001 Proceedings of the 2001 workshop on Perceptive user interfaces PUI '01

Publisher: ACM Press

Full text available: pdf(280.75 KB)

Additional Information: full citation, abstract, references, citings, index terms

Most computational spoken dialogue systems take a "literary" approach to reference resolution. With this type of approach, entities that are mentioned by a human interactor are unified with elements in the world state based on the same principles that guide the process during text interpretation. In human-to-human interaction, however, referring is a much more collaborative process. Participants often under-specify their referents, relying on their discourse partners for feedback if more informa ...

Keywords: HCI, dialogue systems, eye tracking, reference resolution

11 A design space for multimodal systems: concurrent processing and data fusion Laurence Nigay, Joëlle Coutaz



May 1993 Proceedings of the SIGCHI conference on Human factors in computing systems CHI '93

Publisher: ACM Press

Full text available: pdf(806.88 KB)

Additional Information: full citation, abstract; references, citings, index terms

Multimodal interaction enables the user to employ different modalities such as voice, gesture and typing for communicating with a computer. This paper presents an analysis of the integration of multiple communication modalities within an interactive system. To do so, a software engineering perspective is adopted. First, the notion of "multimodal system" is clarified. We aim at proving that two main features of a multimodal system are the concurrency of processing and the fusion ...

Keywords: concurrency, data fusion, design space, modality, multimodal interaction, software architecture, taxonomy

12 Web technologies: Enabling conversations with web services



L. Ardissono, A. Goy, G. Petrone

July 2003 Proceedings of the second international joint conference on Autonomous agents and multiagent systems AAMAS '03

Publisher: ACM Press

Full text available: pdf(228.62 KB)

Additional Information: full citation, abstract, references, citings, index terms

The emerging standards for the publication of Web Services enable the invocation of services having simple interaction protocols, but they fail to support complex e-business interactions, where the peers exchange several messages. In order to extend the classes of services which can be invoked by the consumers, we propose a conversational model supporting the management of complex interactions between clients and Web Services. Our model supports the consumer in the management of a conversation w ...

Keywords: conversational agents, web services

13 Interactive knowledge capture I: Knowledge management for product maturity



Guy A. Boy

October 2005 Proceedings of the 3rd international conference on Knowledge capture K-CAP '05

Publisher: ACM Press

Full text available: 7 .pdf(223.26 KB) Additional Information: full citation, abstract, references, index terms

When a new product is delivered, it seldom meets all customer needs. The mature phase of a product is driven by customer needs. It requires a human-centered development cycle. As a result, the company should be able to listen the voice of its customers. Most industrial companies are driven by engineers and by technology itself. If current technology is to serve all actors of the life cycle of a product, related companies need to change their ways of dealing with maturity. They have to stop being ...

Keywords: active design documents, design and development, knowledge management, maturity, user experience

14 Towards a road map on human language technology: natural language processing Andreas Eisele, Dorothea Ziegler-Eisele

August 2002 COLING-02 on A roadmap for computational linguistics - Volume 13

Publisher: Association for Computational Linguistics

Full text available: pdf(270.05 KB) Additional Information: full citation, abstract, references

This document summarizes contributions and discussions from two workshops that took place in November 2000 and July 2001. It presents some visions of NLP-related applications that may become reality within ten years from now. It investigates the technological requirements that must be met in order to make these visions realistic and sketches milestones that may help to measure our progress towards these goals.

15 Establishing and maintaining long-term human-computer relationships



Timothy W. Bickmore, Rosalind W. Picard

June 2005 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 12 Issue

Publisher: ACM Press

Full text available: pdf(1.68 MB)

Additional Information: full citation, abstract, references, citings, index terms

This research investigates the meaning of "human-computer relationship" and presents techniques for constructing, maintaining, and evaluating such relationships, based on research in social psychology, sociolinguistics, communication and other social sciences. Contexts in which relationships are particularly important are described, together with specific benefits (like trust) and task outcomes (like improved learning) known to be associated with relationship quality. We especially c ...

Keywords: Human-computer interaction, embodied conversational agent, relational agent, social interface

16 Requirements interaction management



William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov June 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 2

Publisher: ACM Press

Full text available: pdf(1.24 MB)

Additional Information: full citation, abstract, references, citings, index terms

Requirements interaction management (RIM) is the set of activities directed toward the discovery, management, and disposition of critical relationships among sets of requirements, which has become a critical area of requirements engineering. This survey looks at the evolution of supporting concepts and their related literature, presents an issues-based framework for reviewing processes and products, and applies the framework in a review of RIM state-of-the-art. Finally, it presents seven researc ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis and design, composite system, deficiency driven design, dependency analysis, distributed intentionality, interaction analysis, software cost reduction (SCR)., system architecture, system specification, viewpoints

17 Long papers: recommendation and instruction: Animating an interactive



conversational character for an educational game system

Andrea Corradini, Manish Mehta, Niels-Ole Bernsen, Marcela Charfuelan January 2005 Proceedings of the 10th international conference on Intelligent user interfaces IUI '05

Publisher: ACM Press

Full text available: pdf(281.80 KB) Additional Information: full citation, abstract, references, index terms

Within the framework of the project NICE (Natural Interactive Communication for Edutainment) [2], we have been developing an educational and entertaining computer game that allows children and teenagers to interact with a conversational character

impersonating the fairy tale writer H.C. Andersen (HCA). The rationale behind our system is to make kids learn about HCA's life, fairy tales and historical period while playing and having fun. We report on the character's generation and realization of b ...

Keywords: edutainment, embodied conversational agent, multimodal output, user interface

18 SALT: an XML application for web-based multimodal dialog management Kuansan Wang

September 2002 Proceedings of the 2nd workshop on NLP and XML - Volume 17 NLPXML '02

Publisher: Association for Computational Linguistics

Full text available: pdf(186.90 KB) Additional Information: full citation, abstract, references

This paper describes the Speech Application Language Tags, or SALT, an XML based spoken dialog standard for multimodal or speech-only applications. A key premise in SALT design is that speech-enabled user interface shares a lot of the design principles and computational requirements with the graphical user interface (GUI). As a result, it is logical to introduce into speech the object-oriented, event-driven model that is known to be flexible and powerful enough in meeting the requirements for re ...

19 A BDI agent architecture for dialogue modelling and coordination in a smart personal assistant



Wayne Wobcke, Van Ho, Anh Nguyen, Alfred Krzywicki

April 2006 Proceedings of the 2005 NICTA-HCSNet Multimodal User Interaction Workshop - Volume 57 MMUI '05

Publisher: Australian Computer Society, Inc.

Full text available: pdf(160.03 KB) Additional Information: full citation, abstract, references, index terms

In this paper, we discuss the architectural aspects of a Smart Personal Assistant (SPA) system that enables users to access a range of applications from a range of devices using multi-modal natural language dialogue. Each back-end application is a personal assistant specializing in one specific task such as e-mail or calendar management, and typically each has its own user model, enabling it to adapt to the user's changing preferences. The PDA interface to the SPA must present the system as a si ...

20 Extracting usability information from user interface events



David M. Hilbert, David F. Redmiles

December 2000 ACM Computing Surveys (CSUR), Volume 32 Issue 4

Publisher: ACM Press

Full text available: pdf(1.50 MB)

Additional Information: full citation, abstract, references, citings, index terms, review

Modern window-based user interface systems generate user interface events as natural products of their normal operation. Because such events can be automatically captured and because they indicate user behavior with respect to an application's user interface, they have long been regarded as a potentially fruitful source of information regarding application usage and usability. However, because user interface events are typically voluminos and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interface event monitoring

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Timothy W. Bickmore, Rosalind W. Picard

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June 2005 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 12 Issue

Publisher: ACM Press

Full text available: pdf(1.68 MB)

Additional Information: full citation, abstract, references, citings, index

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Publisher: Association for Computational Linguistics

Additional Information: full citation, abstract, references, citings Full text available: pdf(1.12 MB)

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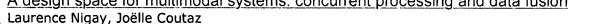
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Keywords: concurrency, data fusion, design space, modality, multimodal interaction, software architecture, taxonomy

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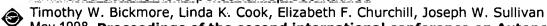
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